

INSTRUMENT DESIGNATION

	INPUT	IST MODIFIER	2ND MODIFIER	3RD MODIFIER	OUTPUT	IST MODIFIER	
Α			ALARM				A
В						BLOWER	В
C	CYCLE					COMPRESSOR	C
D		DIFFERENTIAL				AIR DRYER	D
E							E
F	FLOW					FAN	F
G	GAS (LEL)		GAUGE				G
Н				HIGH	HAND	HEATER	H
1	CURRENT		INDICATOR				1
J							J
K							K
L	LEVEL			LOW			L
M					MOTORIZED		M
N	and the second						N
0							0
P	PRESSURE				PNEUMATIC	PUMP	IP
Q		QUANTITY					Q
R							R
S	SPEED		SWITCH		SOLENOID		S
T	TEMPERATURE		TRANSMITTER				T
U							U
V						VALVE	V
W							W
Х							X
Υ							Y
Z	POSITION						Z

INSTRUMENT IDENTIFICATION

- INDICATING INSTRUMENT						
- DIGITAL INPUT TO CONTROL PANEL						
- DIGITAL INPUT CAUSING ALARM						
- DIGITAL INPUT CAUSING SYSTEM SHUTDOWN ALARM						
- ANALOG INPUT TO CONTROL PANEL						
- ANALOG OUTPUT FROM CONTROL PANEL						
<u>EXAMPLE</u>						
SETPOINT OF INSTRUMENT						
30°WC INSTRUMENT DESIGNATION (PRESSURE SWITCH HIG PSH SEE TABLE ABOVE)	H;					
SYSTEM POSITION NUMBER (SOIL-VAPOR EXTRACT) SEE DESCRIPTION ABOVE)	101					

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SYSTEM POSITION DESIGNATION

100 - VACUUM INLET MANIFOLD 300 - INLET HEAT EXCHANGER 400 - VAPOR/LIQUID SEPARATOR 500 - VAPOR/LIQUID SEPARATOR - 2 700 - SOIL-VAPOR EXTRACTION 1000 - LIQUID-RING PUMP 1300 - SVE HEAT EXCHANGER 1600 - VAPOR-PHASE CARBON 1900 - OXIDIZER 2200 - AIR SPARGE 2500 - SPARGE HEAT EXCHANGER 2800 - SPARGE OUTLET MANIFOLD 3100 - AIR COMPRESSOR 3400 - COMPRESSED-AIR OUTLET MANIFOLD 3700 - PNEUMATIC WELL PUMPS 4000 - SUBMERSIBLE WELL PUMPS

4300 - SURFACE-MOUNT WELL PUMPS 4600 - GROUNDWATER INLET MANIFOLD 4900 - OIL/WATER SEPARATOR

5200 - PRODUCT STORAGE TANK 5500 - INLET TANK

5800 - UPSTREAM BAG FILTER 6100 - CHEMICAL INJECTION 6400 - AIR STRIPPER

6700 - PRE-CARBON BAG FILTER 7000 - LIQUID-PHASE CARBON

7100 - PRE-MEDIA BAG FILTER 7200 - ACTIVATED ALUMINA

7300 - DISCHARGE TANK 7400 - POST-TREATMENT BAG FILTER

7600 - REINJECTION 7900 - BUILDING, TRAILER OR SKID

8200 - CONTROL PANEL

8500 - ELECTRICAL PARTS

9900 - EXTRAS





HATCH

H337697 Mary River Project **Oily Water Treatment System**

101002-01 (PAGE 3 OF 3) DWG. NO: THIS INFORMATION IS THE PROPERTY OF PROCESS & INSTRUMENTATION DRAWING CHEMICAL WATER TREATMENT SYSTEM STEENSBY PORT WWTP BAFFINLAND SEPT. 13 2011 MH FOR REVIEW BY REVISION FILTER INNOVATIONS INC.

PIPING DETAILS:
- WATER FLOW METERS: PROVIDE ID DIA. OF STRAIGHT PIPE BEFORE AND 5 DIA. OF STRAIGHT PIPE AFTER METERS. ENSURE THAT THROTTLING VALVES ARE NOT DIRECTLY IN LINE WITH METERS.

- AIR FLOW METERS: PROVIDE 8 DIA. OF STRAIGHT PIPE BEFORE AND 3 DIA. OF STRAIGHT PIPE AFTER METERS, IF POSSIBLE. AVOID TEES AND ELBOWS BEFORE AND AFTER METERS.

- MATERIALS OF VALVES AND FITTINGS TO BE THE SAME AS THE DESCRIPTION AT THE LINE. IF THERE IS A TRANSITION FROM PVC TO STEEL, THE VALVE SHOULD BE BRASS.

- THERE ARE NO SPECIAL PIPING REQUIREMENTS OTHER THAN WHAT IS EXPLAINED ON THE DIAGRAM.

- WHEN PVC HOSE IS SPECIFIED, ALWAYS USE VACUUM HOSE; USE GREEN HOSE FOR PRESSURES LESS THAN 60PSI; USE TANK TRUCK HOSE FOR PRESSURES BETWEEN 60PSI AND ISOPSI.

PVC PIPE MAY BE SUBSTITUTED WITH EQUAL-SIZED PVC HOSE WHERE A FLEXIBLE CONNECTION IS PREFERRED.